IN THE CLAIM

1	1. (Currently Amended) A method for allowing a device to be removably attached to a
2	computer system while maintaining the system integrity, comprising the steps of:
3	configuring a bridge between the device and the computer system; wherein
4	while in an attached state
5	if recognizing that the device has been removed from the
6	bridge, then the bridge transitioning into a cleanup
7	state, then a removed state;
8	while in the cleanup state, performing the ordered steps of
9	the bridge sending a first signal to the computer system;
10	in response to the first signal, the computer system sending
11	a second signal to the bridge; and
12	in response to the second signal, the bridge sending a third
13	signal to the computer system to indicate that the
14	bridge device has been removed from the computer
15	system;
16	removing the device from the bridge is performed without giving
17	prior notice to the bridge, nor the computer system;
18	the attached state indicating that the device has been attached to the
19	computer system; and
20	the removed state indicating that the device has been removed from
21	the computer system.

1	2. (Original)	The method of Claim 1 wherein the bridge using a lifst protocol to	
2	communicate with the computer system, and using a second protocol to		
3	communicate with the device.		
1	3. (Original)	The method of Claim 2 wherein the first protocol or the second protocol is:	
2		a protocol complying with the SCSI standard;	
3		a protocol complying with the IDE standard;	
4		a protocol complying with the fibre channel standard;	
5		a protocol complying with the IEEE 1394 standard; or	
6		a protocol complying with the USB standard.	
1	4. (Original)	The method of Claim 2 wherein the bridge includes a processing unit and	
2	memo	ry to convert commands of the first protocol and the second protocol.	
1	5.(Original)	The method of Claim 2 wherein the first protocol is the same as the	
2	second protocol.		
1	6. (Original)	The method of Claim 1 wherein, while in the cleanup state, if the bridge	
2	receive	es a processing command, then the bridge sends a fourth signal to the	
3	compu	iter system indicating that the bridge cannot process the command.	
1	7. (Original)	The method of Claim 6 wherein, while in the cleanup state, the bridge	
2	further	sends a fifth signal to the computer system indicating that the command	
3	has been terminated.		

1	8. (Original) The method of Claim 7 wherein, while in the cleanup state, the computer
2	system, upon receiving the fourth or the fifth signal from the bridge, provides a
3	sixth signal to indicate that the command cannot be processed.
1	9. (Original) The method of Claim 1 further comprising the step of providing a buffer
2	between the device and the bridge for protecting the bridge from disruption signals
3	from the device.
1	10. (Original) The method of Claim 1 further comprising the step of providing a buffer
2	between the device and the bridge wherein the buffer prevents the signals passing
3	from the device to the bridge.
1	11. (Original) The method of Claim 10 wherein the bridge transitioning to the cleanup
2	state upon recognizing that the bridge cannot communicate with the device via the
3	buffer.
1	12. (Original) The method of Claim 1 wherein:
2	the bridge recognizes that the device has been removed from the bridge
3	based on a signal asserted at a control pin of the bridge; and
4	the signal changes when the control pin of the bridge is engaged to or
5	disengaged from a control pin of the device.
1	13.(Currently Amended) A system for allowing a device to be removably attached to a
2	computer system while maintaining the system integrity, comprising:
3	a bridge interfacing between the device and the computer system;
4	wherein

5	while in an attached state	
6	if recognizing that the device has been removed from the	ıe
7	bridge, then the bridge transitioning into a clean	up
8	state, then a removed state;	
9	while in the cleanup state	
10	the bridge sending a first signal to the computer system	;
11	in response to the first signal, the computer system send	ling
12	a second signal to the bridge; and	
13	in response to the second signal, the bridge sending a th	ird
14	signal to the computer system to indicate that th	е
15	bridge device has been removed from the compa	ıter
16	system;	
17	removing the device from the bridge is performed without giving	ng
18	prior notice to the bridge, nor the computer system;	
19	the attached state indicating that the device has been attached to	o the
20	computer system; and	
21	the removed state indicating that the device has been removed	from
22	the computer system.	
1	14. (Original) The system of Claim 13 wherein the bridge using a first protocol to	
2	communicate with the computer system, and using a second protocol to	
3	communicate with the device.	
1	15. (Original) The system of Claim 14 wherein the first protocol or the second protocol	ol
2	is:	
3	a protocol complying with the SCSI standard;	

4	a protocor comprying with the 1152 standard,
5	a protocol complying with the fibre channel standard;
6	a protocol complying with the IEEE 1394 standard; or
7	a protocol complying with the USB standard.
1	16. (Original) The system of Claim 13 wherein the bridge includes a processing unit and
2	memory to convert commands of the first protocol and the second protocol.
1	17. (Original) The system of Claim 13 wherein the first protocol is the same as the
2	second protocol.
1	18. (Original) The system of Claim 13 wherein, while in the cleanup state, if the bridge
2	receives a processing command, then the bridge sends a fourth signal to the
3	computer system indicating that the bridge cannot process the command.
1	19.(Original) The system of Claim 18 wherein, while in the cleanup state, the bridge
2	further sends a fifth signal to the computer system indicating that the command
3	has been terminated.
1	20.(Original) The system of Claim 19 wherein, while in the cleanup state, the computer
2	system, upon receiving the fourth or the fifth signal from the bridge, provides a
3	sixth signal to indicate that the command cannot be processed.
1	21. (Original) The system of Claim 13 further comprising a buffer between the device
2	and the bridge for protecting the bridge from disruption signals from the device.

1	22. (Original) The system of Claim 13 further comprising a buffer between the device
2	and the bridge wherein the buffer prevents the signals passing from the device to
3	the bridge.
1	23. (Original) The system of Claim 22 wherein the bridge transitions to the cleanup state
2	upon recognizing that the bridge cannot communicate with the device via the
3	buffer.
1	24. (Original) The system of Claim 13 wherein:
2	the bridge recognizes that the device has been removed from the bridge
3	based on a signal asserted at a control pin of the bridge; and
4	the signal changes when the control pin of the bridge is engaged to or
5	disengaged from a control pin of the device.
1	25. (Currently Amended) A method for hot removing a device from a system, comprising
2	the steps of:
3	configuring a bridge between the device and the system; and
4	configuring a buffer between the device and the bridge for protecting the
5	bridge from signals from the device; wherein
6	while in an attached state
7	if recognizing that the device has been removed from the
8	bridge, then the bridge transitioning into a cleanup
9	state, then a removed state;
10	while in the cleanup state,
11	the bridge sending a first signal to the system;

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12	in response to the first signal, the system sending a second
13	signal to the bridge; and
14	in response to the second signal, the bridge sending a third
15	signal to the system to indicate that the bridge
16	device has been removed from the system.